Author Index

Afshar, A., Thomas, F.C., Wright, P.F., Shapiro, J.L., Anderson, J. and Fulton, R.W., Blocking dot-ELISA, using a monoclonal antibody for detection of antibodies to bluetongue virus in bovine and ovine sera, 271
Anderson, J., see Afshar, A., 271
Angsubhakorn, S., Moe, J.B., Marchette, N.J., Latendresse, J.R., Palumbo, N.E., Yoksan, S. and Bhamarapravati, N., Neurovirulence detection of dengue virus using rhesus and cynomolgus monkeys, 13
Appel, M.J., see Mitchell, 121
Artsob, H., Spence, L., Bishai, F., Kurjanczyk, L. and Sekla, L., Amplified ELISa for the detection of western equine encephalitis virus from mosquitoes in Manitoba, Canada, 233
Ashley, R.L. and Militoni, J., Use of densitometric analysis for interpreting HSV serologies based on Western blot, 159

Babiuk, L.A., see Ijaz, M.K., 153
Bald, J.G., see Gokhale, D.V., 225
Beards, G.M., Serotyping of rotavirus by NADP-enhanced enzyme-immunoassay, 77
Bhamarapravati, N., see Angsubhakorn, S., 13
Bishai, F., see Artsob, H., 233
Biziagos, E., see Crance, J.M., 193
Bodor, N., see Rand, K.H., 257
Brev, W., see Rand, K.H., 257
Bugbjerg, I.C., see Lindhardt, B.O., 73
Buthod, L.M., Schindler, N.L. and Rogers, H.W., Determination of cell line suitability for rapid isolation of herpes simplex virus, 37

Cambiosco, C.L., see Galanti, L.M., 215
Castriciano, S., see Mahony, J.B., 133
Chernesky, M.A., see Mahony, J.B., 133
Chiya, S., see Okazaki, K., 169
Clark, D.K., see Mitchell, W.J., 121
Clark, M.E., see Palker, T.J., 243
Colinet, G., see Husson-van Vliet, J., 113
Corbitt, G., see Morris, D.J., 47
Cornu, C.J., see Galanti, L.M., 215
Crance, J.M., Passagot, J., Biziagos, E. and Deloince, R., Continuous production of hepatitis A virus in PLC/PRF/5 cell cultures: use of antigen for serology, 193

Dahling, D.R. and Wright, B.A., Comparison of the in-line injector and fluid proportioner used to condition water samples for virus monitoring, (*Short Communication*), 67
Daniel, P., see Duverlie, G., 107
Darling, A.J., Dutia, B.M. and Marsden, H.S., Improved method for the measurement of ribonucleotide reductase activity, 281
De Castro, L., see Gouvea, V.S., 57
Deloince, R., see Crance, J.M., 193
Draminsky, H., see Lindhardt, B.O., 73
Drescher, J., see Stachan, R., 179
Driencourt, M., see Duverlie, G., 107
Dutia, B.M., see Darling, A.J., 281
Duverlie, G., Driencourt, M., Roussel, C. and Daniel, P., Solid phase reverse passive hemadsorption test for hepatitis B surface antigen, 107

El Koussi, A., see Rand, K.H., 257

Fox, A.J., see Morris, D.J., 47
Frankel, G. and Friedmann, A., Synthesis of long viral complementary DNA from 7.5 Kb poly A+ RNA templates, 1
Frederiksen, B., see Lindhardt, B.O., 73
Frenchick, P.J., see Ijaz, M.K., 153
Friedmann, A., see Frankel, G., 1
Fulton, R.W., see Afshar, A., 271

Galanti, L.M., Cambiasco, C.L., Cornu, C.J., Lamy, M.E. and Masson, P.L., Immunoassay of hepatitis B surface antigen by particle counting after pepsin digestion, 215
Glikmann, G., Pedersen, M. and Petersen, I., Intratypic differentiation of poliovirus strains by enzyme-linked immunosorbent assay (ELISA): poliovirus type 2 and poliovirus type 3, 25
Gokhale, D.V. and Bald, J.G., Relationship

between plant virus concentration and infectivity: a 'growth curve' model, 225
Gouveau, V.S., De Castro, L. and Pereira, H.G., A combined dot nitrocellulose-enzyme immunoassay for rotavirus and adenovirus, 57

Harada, S., Yamamoto, N. and Hinuma, Y., Clonal analysis of functional difference among strains of human immunodeficiency virus (HIV), 291
Hinuma, Y., see Harada, S., 291
Houck, H.J., see Rand, K.H., 257
Husson-van Vliet, J., Colinet, G., Yane, F. and Lemoine, P., A simplified plaque assay for varicella vaccine, 113

Ideguchi, S., see Okazaki, K., 169
Ijaz, M.K., Karim, Y.G., Sattar, S.A. and Johnson-Lussenburg, C.M., Development of methods to study the survival of airborne viruses, 87
Ijaz, M.K., Sabara, M.I., Frenchick, P.J. and Babiuk, L.A., Assessment of intestinal damage in rotavirus infected neonatal mice by a D-xylose absorption test, 153

Johnson, A., see Woods, G.L., 207
Johnson-Lussenburg, C.M., see Ijaz, M.K., 87

Karim, Y.G., see Ijaz, M.K., 87
Kimura, S., see Okazaki, K., 169
Kurjanczyk, L., see Artsob, H., 233

Lamy, M.E., see Galanti, L.M., 215
Latendresse, J.R., see Angsubhakorn, S., 13
Lausen, P.I., see Lindhardt, B.O., 73
Lemoine, P., see Husson-van VVliet, J., 113
Lindhardt, B.O., Bugbjerg, I.C., Ulrich, K., Draminsky, H., Lausen, P.I. and Frederiksen, B., Detection of antibodies to human immunodeficiency virus (HIV) in eluates from whole impregnated filter paper discs, (*Short Communication*), 73
Loftsson, T., see Rand, K.H., 257
Lomax, J., see Morris, D.J., 47

Mahony, J.B., Castriciano, S. and Chernesky, M.A., Cost and performance analysis of haemagglutination inhibition, passive haemagglutination, radial haemolysis, and enzyme immunoassay for measuring rubella antibody, 133
Marchette, N.J., see Angsubhakorn, S., 13
Marsden, H.S., see Darling, A.J., 281
Masson, P.L., see Galanti, L.M., 215
Matthews, T.J., see Palker, T.J., 243
Militoni, J., see Ashley, R.L., 159
Mitchell, W.J., Russell, S.E.H., Clark, D.K., Rima, B.K. and Appel, M.J., Identification of negative strand and positive starnd RNA of canine distemper virus in animal tissues using single stranded RNA probes, 121
Moe, J.B., see Angsubhakorn, S., 13
Morris, D.J., Lomax, J., Fox, A.J. and Corbitt, G., Comparison of dot-blot DNA hybridisation and immediate early nuclear antigen production in cell culture for the rapid detection of human cytomegalovirus in urine, 47

Okazaki, K., Chiya, S., Ideguchi, S. and Kumura, S., Typing of herpes simplex virus types 1 and 2 by immunoblotting analysis using polyclonal antisera to herpes simplex virus glycoproteins, 169

Palker, T.J., Clark, M.E., Sarngadharan, M.G. and Matthews, T.J., Purification of envelope glycoproteins of human T cell lymphotropic virus type I (HTLV-I) by affinity chromatography, 243
Palumbo, N.E., see Angsubhakorn, S., 13
Passagot, J., see Crance, J.M., 193
Pedersen, M., see Glikmann, G., 25
Pereira, H.G., see Gouvea, V.S., 57
Petersen, I., see Glikmann, G., 25

Raad, I., see Rand, K.H., 257
Rand, K.H., Raad, I., El Koussi, A., Houck, H.J., Brey, W., Rocca, J., Loftsson, T. and Bodor, N., Trifluorothymidine: potential non-invasive diagnosis of herpes simplex infection using ^{19}F nuclear magnetic resonance in a murine hepatitis model, 257
Rima, B.K., see Mitchell, W.J., 121
Rocca, J., see Rand, K.H., 257
Rogers, H.W., see Buthod, L.M., 37
Roussel, C., see Duverlie, G., 107
Russell, S.E.H., see Mitchell, W.J., 121

Sabara, M.I., see Ijaz, M.K., 153
Sarngadharan, M.G., see Palker, T.J., 243
Satter, S.A., see Ijaz, M.K., 87
Schindler, N.L., see Buthod, L.M., 37
Sekla, L., see Artsob, H., 233
Shapiro, J.L., see Afshar, A., 271
Spence, L., see Artsob, H., 233
Stachan, R. and Drescher, J., Electron microscopic method for determining the concentration of influenza virus antihemagglutinin antibodies of the IgG class, 179

Thiele, G.M., see Woods, G.L., 207
Thomas, F.C., see Afshar, A., 271

Ulrich, K., see Lindhardt, B.O., 73

Wetz, K., Cross-linking of poliovirus with bifunctional reagents: biochemical and immunological identification of protein neighbourhoods, 143
Woods, G.L., Young, A., Johnson, A. and Thiele, G.M., Detection of cytomegalovirus by 24-well plate centrifugation assay using a monoclonal antibody to an early nuclear antigen and by conventional cell culture, 207
Wright, B.A., see Dahling, D.R., 67
Wright, P.F., see Afshar, A., 271

Yamamoto, N., see Harada, S., 291
Yane, F., see Husson-van Vliet, J., 113
Yoksan, S., see Angsubhakorn, S., 13
Young, A., see Woods, G.L., 207

Subject Index

AIDS, HIV antibody, Africa, Filter paper disc, ELISA, Immunoblotting test, 73
AIDS, HIV, Infectivity, CPE, Plaque, 291
Adenovirus, Enzyme immunoassay, Nitrocellulose, Rotavirus, Gastroenteritis, 57
Affinity chromatography, HTLV-1, Envelope glycoproteins, 243
Africa, HIV antibody, AIDS, Filter paper disc, ELISA, Immunoblotting test, 73
Amplified ELISA, Rotavirus serotype, Viral gastroenteritis, 77
Amplified ELISA, Western equine encephalitis virus, Arbovirus detection, Vector mosquito, 233
Animal model, Rotavirus, D-Xylose test, 153
Anti-HAV IgM, Hepatitis A virus, HAV propagation in vitro, Total Anti-HAV antibody, Anti-HAV antibody detection, 193
Anti-HAVI antibody detection, Hepatitis A virus, HAV propagation in vitro, Total Anti-HAV antibody, AntiHAV IgM, 193
Antibody molecule, Electron microscopy, Protein A-gold, Influenza virus, 179
Antibody, Structure, Poliovirus, Cross-link, 143
Arbovirus detection, Amplified ELISA, Western equine encephalitis virus, Vector mosquito, 233
Assay, Rubella, Performance, Cost, 133

Blocking enzyme immunoassay, Bluetongue virus, Bluetongue serodiagnosis, Dot enzyme immunoassay, 271
Bluetongue virus, Bluetongue serodiagnosis, Dot enzyme immunossay, Blocking enzyme immunoassay, 271
Bluetongue serodiagnosis, Bluetongue virus, Dot enzyme immunoassay, Blocking enzyme immunoassay, 271

CPE, HIV, AIDS, Infectivity, Plaque, 291
Canine distemper virus, Single stranded RNA probe, Single stranded DNA probe, Hybridization, in situ, 121
Carbon tetrachloride hepatitis, Trifluorothymidine, Herpes simplex virus, Herpes simplex hepatitis, ^{19}F Nuclear magnetic resonance, 257
Cell culture, Herpes simplex virus, 96-Well tissue culture plate, 37
Comparative testing, In-line injector, Fluid proportioner, Virus concentration, 67
Conventional culture, Cytomegalovirus, Rapid detection, Early nuclear antigen, 207
Cost, Rubella, Assay, Performance, 133
Cross-link, Structure, Pollovirus, Antibody, 143
Cytomegalovirus, DNA hybridisation, immediate early nucelar antigen detection, 47
Cytomegalovirus, Rapid detection, Early nuclear antigen, Conventional culture, 207

ds c DNA, Viral RNA, cDNA synthesis, 1
DNA hybridisation, Cytomegalovirus, immediate early nuclear antigen detection, 47
cDNA synthesis, Viral RNA, ds c DNA, 1
Dengue virus, Neurovirulence detection, Serological test, Monkey, 13
Dilution, Infectivity, Logistic growth model, 225
Dot enzyme immunoassay, Bluetongue virus, Bluetongue serodiagnosis, Blocking enzyme immunoassay, 271

ELISA, HIV antibody, AIDS, Africa, Filter paper disc, Immunoblotting test, 73
ELISA, Poliovirus, Intratypic differentiation, Immunoblotting, 25
Early nuclear antigen, Cytomegalovirus, Rapid detection, Conventional culture, 207
Electron microscopy, Protein A-gold, influenza virus, Antibody molecule, 179
Enteric virus, Virus aerosol, Respiratory virus, Viral aerobiological technique, 87
Envelope glycoproteins, HTLV-1, Affinity chromatography, 243
Enzyme Immunoassay, Nitrocellulose, Rotavirus, Adenovirus, Gastroenteritis, 57

^{19}F Nuclear magnetic resonance, Trifluorothymidine, Herpes simplex virus, Herpes simplex hepatitis, Carbon tetrachloride hepatitis, 257
Filter paper disc, HIV antibody, AIDS, Africa, ELISA, Immunoblotting test, 73

Flow through scintillation counting, HSV-1, Ribonucleotide reductase, HPLC, 281
Fluid proportioner, In-line injector, Virus concentration, Comparative testing, 67

Gastroenteritis, Enzyme immunoassay, Nitrocellulose, Rotavirus, Adenovirus, 57
Glycoprotein, Herpes simplex virus, Typing, Immunoblotting, 169

HAV propagation in vitro, Hepatitis A virus, Total Anti-HAV antibody, Anti-HAV IgM, Anti-HAV antibody detection, 193
HIV antibody, AIDS, Africa, Filter paper disc, ELISA, Immunoblotting test, 73
HIV, AIDS, Infectivity, CPE, Plaque, 291
HPLC, HSV-1, Ribonucleotide reductase, Flow through scintillation counting, 281
HSV-1, Ribonucleotide reductase, HPLC, Flow through scintillation counting, 281
HTLV-1, Envelope glycoproteins, Affinity chromatography, 243
Hemadsorption, Hepatitis B surface antigen, Immunoassay, Reverse passive hemagglutination, 107
Hepatitis B surface antigen, Hemadsorption, Immunoassay, Reverse passive hemagglutination, 107
Hepatitis A virus, HAV propagation in vitro, Total Anti-HAV antibody, Anti-HAV IgM, Anti-HAV antibody detection, 193
Hepatitis B surface antigen, Latex agglutination, Pepsin digestion, 215
Herpes simplex virus, Cell culture, 96-Well tissue culture plate, 37
Herpes simplex virus, Serology, Western blot, 159
Herpes simplex virus, Typing, Immunoblotting, Glycoprotein, 169
Herpes simplex virus, Trifluorothymidine, Herpes simplex hepatitis, ^{19}F Nuclear magnetic resonance, Carbon tetrachloride hepatitis, 257
Herpes simplex hepatitis, Trifluorothymidine, Herpes simplex virus, ^{19}F Nuclea magnetic resonance, Carbon tetrachloride hepatitis, 257
Hybridization, in situ, Single stranded RNA probe, Single stranded DNA probe, Canine distemper virus, 121

Immediate early nuclear antigen detection, Cytomegalovirus, DNA hybridisation, 47
Immunoassay, Hepatitis B surface antigen, Hemadsorption, Reverse passive hemagglutination, 107
Immunoblotting, Poliovirus, Intratypic differentiation, ELISA, 25
Immunoblotting test, HIV antibody, AIDS, Africa, Filter paper disc, ELISA, 73
Immunoblotting, Herpes simplex virus, Typing, Glycoprotein, 169
In-line injector, Fluid proportioner, Virus concentration, Comparative testing, 67
Infectivity, Dilution, Logistic growth model, 225
Infectivity, HIV, AIDS, CPE, Plaque, 291
Influenza virus, Electron microscopy, Protein A-gold, Antibody molecule, 179
Intratypic differentiation, Poliovirus, ELISA, Immunoblotting, 25

Latex agglutination, Hepatitis B surface antigen, Pepsin digestion, 215
Logistic growth model, Infectivity, Dilution, 225

Monkey, Dengue virus, Neurovirulence detection, Serological test, 13

Neurovirulence detection, Dengue virus, Serological test, Monkey, 13
Nitrocellulose, Enzyme immunoassay, Rotavirus, Andenovirus, Gastroenteritis, 57

Pepsin digestion, Hepatitis B surface antigen, Latex agglutination, 215
Performance, Rubella, Assay, Cost, 133
Plaque assay, Varicella vaccine, Vaccine control, 113
Plaque, HIV, AIDS, Infectivity, CPE, 291
Poliovirus, Intratypic differentiation, ELISA, Immunoblotting, 25
Poliovirus, Structure, Cross-link, Antibody, 143
Protein A-gold, Electron microscopy, Influenza virus, Antibody molecule, 179

Rapid detection, Cytomegalovirus, Early nuclear antigen, Conventional culture, 207
Respiratory virus, Virus aerosol, Enteric virus, Viral aerobiological technique, 87

Reverse passive hemagglutination, Hepatitis B surface antigen, Hemadsorption, Immunoassay, 107
Ribonucleotide reductase, HSV-1, HPLC, Flow through scintillation counting, 281
Rotavirus serotype, Amplified ELISA, Viral gastroenteritis, 77
Rotavirus, Enzyme immunoassay, Nitrocellulose, Adenovirus, Gastroenteritis, 57
Rotavirus, Animal model, D-Xylose test, 153
Rubella, Assay, Performance, Cost, 133

Serological test, Dengue virus, Neurovirulence detection, Monkey, 13
Serology, Herpes simplex virus, Western blot, 159
Single stranded RNA probe, Single stranded DNA probe, Hybridization, in situ, Canine distemper virus, 121
Single stranded DNA probe, Single stranded RNA probe, Hybridization, in situ, Canine distemper virus, 121
Structure, Poliovirus, Cross-link, Antibody, 143

Tissue culture plate, 96-well, Herpes simplex virus, Cell culture, 37
Total Anti-HAV antibody, Hepatitis A virus, HAV propagation in vitro, Anti-HAV IgM, Anti-HAV antibody detection, 193
Trifluorothymidine, Herpes simplex virus, Herpes simplex hepatitis, ^{19}F Nuclear magnetic resonance, Carbon tetrachloride hepatitis, 257
Typing, Herpes simplex virus, Immunoblotting, Glycoprotein, 169

Vaccine control, Varicella vaccine, Plaque assay, 113
Varicella vaccine, Plaque assay, Vaccine control, 113
Vector mosquito, Amplified ELISA, Western equine encephalitis virus, Arbovirus detection, 233
Viral RNA, cDNA synthesis, ds c DNA, 1
Viral aerobiological technique, Virus aerosol, Respiratory virus, Enteric virus, 87
Viral gastroenteritis, Rotavirus serotype, Amplified ELISA, 77
Virus aerosol, Respiratory virus, Enteric virus, Viral aerobiological technique, 87
Virus concentration, In-line injector, Fluid proportioner, Comparative testing, 67

Western blot, Herpes simplex virus, Serology, 159
Western equine encephalitis virus, Amplified ELISA, Arbovirus detection, Vector mosquito, 233

D-Xylose test, Animal model, Rotavirus, 153